

West branch of the Grand Calumet River, Indiana
TECHNICAL MEMORANDUM

**CHARACTERIZATION OF GROUNDWATER
AND SOILS ADJACENT TO REACH #4**

RESTORATION ALTERNATIVES DEVELOPMENT AND EVALUATION
FOR
NATURAL RESOURCE RESTORATION

January 2003

Proposed Reach 4 Transects





Proposed Tasks to Identify Extent of DNAPL

- Work Plans
- Access Agreements
- Core / Well Installation and Sampling
- Horizontal & Vertical Control
- Chemical Analyses
- Data Validation
- Site Characterization Report

Phased Approach to Identify Extent of DNAPL

- Take Core Samples up- and down-stream of Transect 2, Reach 4 to determine extent in river.
- Drill wells (up to 6) on North and South Banks of River to determine potential groundwater pathway

Reach 4 Samples

Reach	Transect	Sample ID	Total PAHs
4	2	FWV-WVB-28-CS-0-7	530,000
4	2	FWV-WVB-28-CS-8-8.9	1,100,000
4	2	FWV-WVB-29-CS-5-6.6	5,500
4	2	FWV-WVB-29-CS-6.6-8.8	270,000
4	2	FWV-WVB-30-CS-3.1-4.9	<400
4	2	FWV-WVB-30-CS-5.8-6.6	4,300
4	2	FWV-WVB-30-CS-7.9-8.9	1,600,000

Jim Smith, 10/22/02 WB-
DNAPL Soaked Zone

